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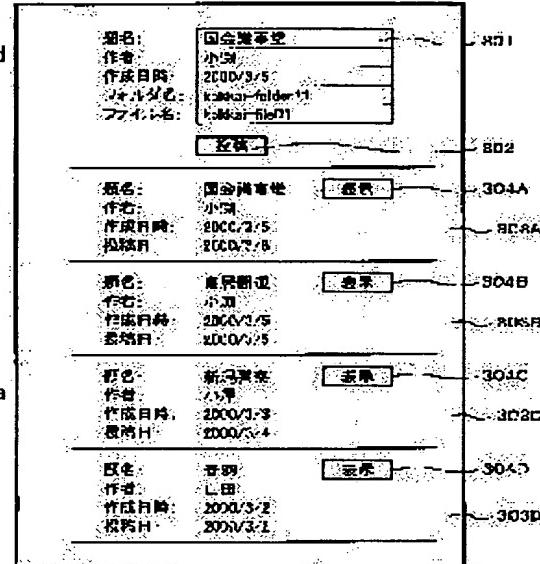
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(54) SYSTEM AND METHOD FOR PROVIDING EDITING INFORMATION, CONTROLLER AND SERVER THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To allow each person to be a provider of material on a network and also to be a user of the material by enabling a covering scene or the material for broadcasting subjected to rough editing to be shared and used by a plurality of persons on the network.

SOLUTION: The still picture of a scene to be a key of editing is fetched, a time code corresponding to the fetched still picture is also stored in the case of performing a simple edition, and an edited image including the fetched still picture and the time code is converted into a format of a Web page. Thus, the edited image can easily be browsed by a browser. A server can utilize the program of a bulletin board, registers an edited image subjected to conversion into a Web page format transmitted from each personal computer, introduces the edited image on the bulletin board and can transfer the edited image to a requesting personal computer in response to a request from each personal computer. Thus, respective users offer the edited image to one another. The user of each personal computer also can easily be both an information transmitter and an information receiver.



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CLAIMS

[Claim(s)]

[Claim 1] It has a means characterized by providing the following to transmit an edit display through the above-mentioned network. The above-mentioned server An edit display including positional information of a still picture which was changed into format of the above-mentioned web page sent from each above-mentioned control unit and which was [above-mentioned] crowded picking, and the above-mentioned record medium is made to register through the above-mentioned network. An edit system to offer information it was made to have a means to display on the above-mentioned control unit with a demand an edit display including positional information of a still picture which was changed into format of the above-mentioned web page sent from each above-mentioned control unit according to a demand from each above-mentioned control unit, and which was [above-mentioned] crowded picking, and the above-mentioned record medium A control unit which displays an edit display including positional information of a still picture which saved positional information of the above-mentioned record medium corresponding to this incorporated still picture, and was [above-mentioned] crowded picking while incorporating a still picture of a scene used as a key of edit, and the above-mentioned record medium It consists of a server which offers an edit display including positional information of a still picture incorporated by each above-mentioned control unit, and the above-mentioned record medium, a control unit and the above-mentioned server of the above-mentioned plurality are connected in a network, and each above-mentioned control unit is a means to change an edit display including positional information of a crowded still picture and the above-mentioned record medium into format of a web page, the above-mentioned picking. Positional information of a still picture which was changed into format of the above-mentioned web page and which was [above-mentioned] crowded picking, and the above-mentioned record medium

[Claim 2] An edit system to offer information according to claim 1 it was made to include alphabetic information in the above-mentioned edit display about a still picture which was [above-mentioned] crowded picking.

[Claim 3] The above-mentioned server is the edit system to offer information according to claim 1 into which made it make an edit display including positional information of a still picture which was changed into format of the above-mentioned web page which a bulletin board function was made available and has been sent from each above-mentioned control unit by the above-mentioned bulletin board function, and which was [above-mentioned] crowded picking, and the above-mentioned record medium register.

[Claim 4] A server which is characterized by providing the following and which offers an edit display is connected in a network. Each above-mentioned control unit An edit display including positional information of a still picture which was [above-mentioned] crowded picking, and the above-mentioned record medium is changed into format of a web page. It enables it to transmit an edit display including positional information of a still picture which was changed into format of the above-mentioned web page and which was [above-mentioned] crowded picking, and the above-mentioned record medium through the above-mentioned network. The above-mentioned server An edit display including positional information of a still picture which was changed into format of the above-mentioned web page sent from each above-mentioned control unit and which was [above-mentioned] crowded picking, and the above-mentioned record medium is made to register through the above-mentioned network. An edit information offer method of having made it display on the above-mentioned control unit with a demand an edit display including positional information of a still picture which was changed into format of the above-mentioned web page sent from each above-mentioned control unit according to a demand from each above-mentioned control unit and which was [above-mentioned] crowded picking, and the above-mentioned record medium A control unit which displays an edit display including positional information of a still picture which saved positional information of the above-mentioned record medium corresponding to this incorporated still picture, and was [above-mentioned] crowded picking while incorporating a still picture of a scene used as a key of edit, and the above-mentioned record medium Positional information of a still picture incorporated by each above-mentioned control unit, and the above-mentioned record medium

[Claim 5] An edit information offer method according to claim 4 it was made to include alphabetic information in the above-mentioned edit display about a still picture which was [above-mentioned] crowded picking.

[Claim 6] The above-mentioned server is the edit information offer method according to claim 4 into which made it make an edit display including positional information of a still picture which was changed into format of the above-mentioned web page which a bulletin board function was made available and has been sent from each above-mentioned control unit by the above-mentioned bulletin board function, and which was [above-mentioned] crowded picking, and the above-mentioned record medium register.

[Claim 7] A control unit which is characterized by providing the following and which was made like A means to save positional information of the above-mentioned record medium corresponding to this incorporated still picture while incorporating a still picture of a scene used as a key of edit A means to display an edit display including positional information of a still picture which was [above-mentioned] crowded picking, and the above-mentioned record medium A means to change into format of a web page an edit display including positional information of a still picture which was [above-mentioned] crowded picking, and the above-mentioned record medium A means to transmit an edit display including positional information of a still picture which was changed into format of the above-mentioned web page and which was [above-mentioned] crowded picking, and the above-mentioned record medium through the above-mentioned network

[Claim 8] A control unit according to claim 7 it was made to include alphabetic information in the above-mentioned edit display about a still picture which was [above-mentioned] crowded picking.

[Claim 9] The server become from a means display an edit display including the positional information of the still picture which was changed into the format of the above-mentioned web page sent from each above-mentioned control-unit according to the demand from a means and each above-mentioned control unit into which an edit display including the positional information of a incorporated still picture which was changed into format of a web page sent from each control unit through a network and a record medium makes register, and which is [above-mentioned] crowded picking, and the above-mentioned record medium on the above-mentioned control unit with a demand.

[Claim 10] A server according to claim 9 into which made it make an edit display including positional information of a still picture which was changed into format of the above-mentioned web page which a bulletin board function was made available and has been sent from each above-mentioned control unit by the above-mentioned bulletin board function, and which was [above-mentioned] crowded picking, and the above-mentioned record medium register.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] This invention relates to the thing between which use when editing in simple the image of the news which the cameraman photoed on that spot, and two or more users enabled it to share a material through a network especially about a suitable edit system to offer information and a suitable method, a control unit, and a server.

[0002]

[Description of the Prior Art] Conventionally, a cameraman photos the condition of a site, and the news program of television edits that news material into a broadcasting station for this tape that covered by the delivery and broadcasting station side at a broadcasting station using a communication satellite, and is broadcasting drag-in or the contents of televising of a tape which covered. However, in editing news by the broadcasting station side in this way, it is difficult to offer a quick image. Then, especially, a cameraman edits the news material photoed on the spot on that spot, and is broadcasting it more often at a European and American broadcasting station.

[0003] It is expensive in a broadcasting station and it is equipped with powerful edit equipment. Moreover, much staff is working in the broadcasting station. For this reason, in the conventional method that a news material is edited by the broadcasting station side, good editing operation can be performed using the edit equipment by the side of a broadcasting station. However, when a cameraman edits the news material photoed on the spot, the equipments which can be used for edit are restricted and a cameraman has to perform an editing task for a short time.

[0004] moreover — putting a comment into a scene required in deleting an unnecessary scene also in the conventional way of editing this news material into a broadcasting station for the tape which the cameraman covered by the delivery and broadcasting station side at a broadcasting station using a communication satellite, and broadcasting drag-in or the contents of televising of a tape which covered **** — etc. — a news material is sent after carrying out the editing task of the degree which is a delivery side — it is required.

[0005] Then, an edit support system which supports edit instead of a cameraman's activity is developed in such an activity.

[0006] In such an edit support system, when a capture carbon button is clicked, while the still picture of the image reproduced from VTR is incorporated and saved, the time code at this time is saved corresponding to a still picture. For this reason, if the capture carbon button is clicked in the scene which serves as a key at the time of edit, the still picture of the scene used as a key and the list of time codes at that time can be created. By referring to this list, an editing task can be performed efficiently.

[0007]

[Problem(s) to be Solved by the Invention] If such an edit support system spreads, it will be thought that the coverage site or the material for broadcast rough-edited can be used on a network with such an edit support system, sharing it with two or more men. If you do in this way, it can use each other's material by two or more men, or an editing task can be performed in parallel; and it is convenient.

[0008] Thus, when using the information on such a coverage site or a material for broadcast rough-edited on a network, sharing it with two or more men, it is convenient if you enable it to peruse by WWW (World Wide Web).

[0009] However, in order to peruse by WWW, a HTML (Hyper Text Markup Language) document must be transmitted to a WWW server by FTP (File Transfer Protocol) from a personal computer. For this reason, if it does not become the server of WWW, it is difficult to offer each other's coverage site or material for broadcast which offering the material which he photoed can register and was rough-edited by two or more men.

[0010] Therefore, the purpose of this invention is to offer the edit system to offer information which enabled it to use the coverage site or the material for broadcast rough-edited on a network, sharing it with two or more men and a method, a control unit, and a server.

[0011] Other purposes of this invention are to offer the edit system to offer information and method of having made it get used with the user of a material, a control unit, and a server while each one gets used with the provider of the material on a network.

[0012]

[Means for Solving the Problem] A control unit which displays an edit display which saves positional information of a record medium corresponding to this incorporated still picture, and includes positional information of a incorporated still picture and a record medium while this invention incorporates a still picture of a scene used as a key of edit, It

consists of a server which offers an edit display including positional information of a still picture incorporated by each control unit, and a record medium. Two or more control units and servers are connected in a network. Each control unit A means to change an edit display including positional information of a incorporated still picture and a record medium into format of a web page. It has a means to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network. A server An edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit and a record medium is made to register through a network. It is the edit system to offer information it was made to have a means to display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from each control unit, and a record medium on a control unit with a demand.

[0013] A control unit which displays an edit display which saves positional information of a record medium corresponding to this incorporated still picture, and includes positional information of a incorporated still picture and a record medium while this invention incorporates a still picture of a scene used as a key of edit. A server which offers an edit display including positional information of a still picture incorporated by each control unit and a record medium is connected in a network. Each control unit An edit display including positional information of a incorporated still picture and a record medium is changed into format of a web page. It enables it to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network. A server An edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit and a record medium is made to register through a network. It is the edit information offer method of having made it display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from each control unit, and a record medium on a control unit with a demand.

[0014] A means to save positional information of a record medium corresponding to this incorporated still picture while this invention incorporates a still picture of a scene used as a key of edit. A means to display an edit display including positional information of a incorporated still picture and a record medium. A means to change an edit display including positional information of a incorporated still picture and a record medium into format of a web page. It is the control unit equipped with a means to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network.

[0015] This invention is the server which consists of a means display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from a means and each control unit into which an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit through a network and a record medium is made to register, and a record medium on a control unit with a demand.

[0016] While incorporating a still picture of a scene which serves as a key of edit at the time of simple edit, a time code corresponding to this incorporated still picture is saved, and an edit display containing this still picture and time code that were incorporated is changed into format of a web page. It can do [that this peruses simply by browser, or]. Moreover, a program of a bulletin board is made available, and a server can make an edit display changed into format of a web page sent from each personal computer able to register, can introduce this edit display with a bulletin board, and can transmit it to a personal computer with a demand of that edit display according to a demand from each personal computer. Thereby, by each user, an edit display can be offered and it can suit. Moreover, since a bulletin board function is used, while a user of each personal computer gets used to an informational addresser easily, it gets used to an informational addressee.

[0017]

[Embodiment of the Invention] Hereafter, the gestalt of implementation of this invention is explained with reference to a drawing. Drawing 1 shows an example of the news edit support system with which this invention was applied. This news edit support system is constituted by two VTRs (Video Tape Recoder) 1A and 1B and personal computers 2. The television receivers 3A and 3B for monitors are connected to VTRs 1A and 1B, respectively.

[0018] A cameraman photos a news site with a video camera 4. And after photography of a news site is ended, in order to edit, the videocassette 5 on which the news material was recorded is picked out from a video camera 4. VTR1A is equipped with this videocassette 5.

[0019] At the time of edit, the application program for edit exchange is performed with a personal computer 2. And using a personal computer 2, the search of the videocassette 5 on which the news material was recorded, and the activity of playback are repeated by VTR1A, and a scene required for edit is determined out of the scene currently recorded on the tape of a videocassette 5. And a screen required for VTR1B is sent from VTR1A, and it is recorded on the tape of the videocassette with which VTR1B is equipped.

[0020] Thus, in this system, the application program for edit exchange is performed with a personal computer 2 at the time of edit.

[0021] The application program for edit exchange performs efficiently the editing task accompanied by trial and error.

[0022] Namely; when editing, in the former, those who edit search a scene which serves as a key, the easy memorandum about that scene is taken, or they record the time code of the location on that tape, and are carrying out by repeating the activity accompanied by trial and error of being as adding a new scene **** [, and]. [replacing the sequence of this scene] [deleting a scene] This application program is looking at the playback screen of a

tape, if there is a scene which serves as a key, it saves the time code on the tape of that scene while it incorporates this scene as a still picture, or writes the comment in an alphabetic character in that scene, or has an addition and the function deleted or rearranged for the scene used as a key. Thereby, it can edit efficiently conventionally by supporting the editing task which was being performed by handicraft.

[0023] In order to perform the application program for such edit exchange, as shown in a personal computer 2 at drawing 2, the video capture board is carried.

[0024] Drawing 2 is an example of the hardware configuration of a personal computer 2. As for CPU (Central Processing Unit) and 12, in drawing 2, 11 is [ROM (Read Only Memory) and 13] RAM (Random Access Memory). CPU11, ROM12, and RAM13 are connected to the processor bus 14.

[0025] The program of a bootstrap is stored in ROM12. RAM13 is the main memory of a working-level month.

[0026] CPU11 is connected to the bridge circuit 15, and the processor bus 14 is drawn from a bridge circuit 15. A bridge circuit 15 is connected to the PCI (Peripheral Component Interconnect) bus 16. A bridge circuit 15 connects CPU11, and the processor bus 14 and PCI bus 16.

[0027] PCI bus 16 is equipped with the graphics accelerator board 19, the video capture board 20, and an audio board 21 while the IDE (Integrated Device Electronics) controller 17 and the SCSI (Small Computer System Interface) controller 18 are connected.

[0028] The storage devices 22, such as a hard disk drive and CD drive, are connected to the IDE controller 17. The storage devices 23, such as a hard disk drive and CD drive, are connected to the SCSI controller 18.

[0029] PCI bus 16 is connected to the ISA (Industrial Standard Architecture) bus 25 through a bridge circuit 24. A bridge circuit 24 connects PCI bus 16 and ISA Bus 25. The input device controller 26, the floppy disk controller 27, the parallel controller 28, and the RS232C controller 29 are connected to ISA Bus 25.

[0030] The input devices 30, such as a keyboard and a mouse, are connected to the input device controller 26. The floppy disk drive 31 is connected to the floppy disk controller 27. A printer etc. can be attached in the parallel controller 28. A modem etc. can be attached in the RS232C controller 29.

[0031] In an initial state, the program of the bootstrap stored in ROM12 runs first, and initial setting is performed. And a storage device 22 or 23 is accessed, the operating system installed in a storage device 22 or 23 is read, and the resident section of a program resides in RAM13 used as main memory permanently. Thereby, an operating system is started and various processings are performed by the radical of management of this operating system.

[0032] In addition, although it considers as the configuration which used the PCI bus and the ISA Bus in the above-mentioned example, it is not limited to such a configuration. USB (Universal Serial Bus) is prepared and you may make it connect various devices, such as a keyboard and a mouse, to this USB bus.

[0033] In the above edit support systems, the video outlet terminal of VTR1A and the video input terminal of the video capture board 20 of a personal computer 2 are connected. Moreover, the terminal for control of VTR1A and the RS232C control 29 of a personal computer 2 are connected so that the mode of VTR1A can be set up with a personal computer 2. And the application program for edit exchange is installed in a storage device 22 or 23.

[0034] Moreover, as shown in drawing 3, VTR1A can output a time code now outside so that a still picture may be incorporated with a personal computer 2 and the time code on the tape of the scene can be saved.

[0035] That is, in drawing 3, the device of the drive system of a tape is arranged at MEKADEKKI 50. The tape 51 pulled out from the videocassette (not shown) is wound around a rotating drum 52. This tape 51 is transported by the capstan motor 53. Moreover, the supply reel and take up reel of a videocassette rotate with reel motors 54A and 54B. A rotary head 52, the capstan motor 53, and reel motors 54A and 54B are controlled by the servo controller 57.

[0036] While a video signal and an audio signal are recorded / reproduced along the truck on an inclination by the rotary head attached in the rotating drum 52, a time code (VITC) is recorded / reproduced by the tape 51. Moreover, while a control signal is recorded / reproduced by the fixed head 55, a time code (LTC) is recorded / reproduced by the tape 51 by the fixed head 56.

[0037] In addition, a time code (VITC:Vertical Interval Time Code) is usually used as a time code for detecting a tape location at the time of playback, and a time code (LTC) is used as a time code for detecting a tape location at the time of gear change playback.

[0038] Whole actuation is controlled by the system controller 60. a system controller 60 — a control panel 61 to an input — giving — actuation is set up based on this input. Moreover, the output of a system controller 60 is supplied to a display 62, and operating state is displayed on a display 62.

[0039] Moreover, an interface 63 is formed in a system controller 60. It is possible to connect an external device through this interface 63, and to perform a setup of operation with an external instrument.

[0040] At the time of record, a video signal is supplied to the video input terminal 65, and an audio signal is supplied to the audio input terminal 66. This video signal and audio signal are supplied to the video processor 67, they are the video processor 67 and record signal processing is carried out. Moreover, the time code from system KONTORA 60 is sent to the LTC reader/writer 68 while it is supplied to the video processor 67.

[0041] While the output of the video processor 67 is sent to the rotary head attached in the rotating drum 52 and a video signal and an audio signal are recorded by this rotary head, a time code (VITC) is recorded on a perpendicular blanking period. Moreover, the output of the fixed head 56 of the LTC reader/writer 68 is supplied, and a time code (LTC) is recorded by the fixed head 56.

[0042] At the time of playback, the signal currently recorded on each truck of a tape 51 is reproduced by the rotary head attached in the rotating drum 52, and this regenerative signal is supplied to the video processor 67.

Regenerative-signal processing of a video signal and an audio signal is made by the video processor 67, and a playback video signal and an audio signal are outputted from the video signal output terminal 71 and the audio output terminal 72. The video signal output terminal 71 is connected to the video capture board 20 (drawing 2) of a personal computer 2, and this playback video signal is sent to the video capture board 20 of a personal computer 2. [0043] Moreover, a time code (VITC) is sent to a system controller 60 from the video processor 67. Moreover, the time code reproduced by the fixed head 56 is supplied to the LTC reader/writer 68. A time code is decoded by the LTC reader/writer 68. This time code is sent to a system controller 60.

[0044] The detecting signal of FG arm head attached in each motor or PG arm head and the control signal from the fixed head 55 are supplied to the servo controller 57. Based on these signals, drum servo control, tracking servo control, etc. are performed.

[0045] An interface 63 is connected to the RS232C controller 29 (drawing 2) of a personal computer 2, while being able to set up actuation of VTR1A with a personal computer 2 by this — the personal computer 2 from VTR1A — a time code (VITC) — or (LTC) it can send.

[0046] Moreover, memory 69 is formed in the video processor 67. If memory 69 is formed in the video processor 67, still picture regeneration and gear change regeneration can be performed easily.

[0047] Moreover, you may make it a system controller 60 as [attach / the remote controller 73 which has a jog dial etc.]. If a remote controller 73 is attached, editing will become still easier by using a jog dial etc.

[0048] Next, the edit using a personal computer 2 is explained more concretely.

[0049] Drawing 4 shows the display on the display of the personal computer 2 at the time of edit. As shown in drawing 4 , on a display, the window 101 for captures and the editing point viewing window 102 are displayed.

[0050] The window 101 for captures is a window for performing actuation for saving a scene which serves as a key at the time of edit, and its time code. The animation display area 111 is established in this window 101 for captures.

The playback screen of VTR1A is displayed on this animation display area 111. Moreover, the capture carbon button 112 is formed in the window 101 for captures.

[0051] The editing point viewing window 102 is a window for displaying the incorporated screen and its time code.

While the still picture display area 121A, 121B, and 121C for displaying the incorporated still picture and — are prepared, the time code area 123A, 123B, and 123C and — are displayed for the time code which shows the location on the tape of the still picture on the editing point viewing window 102. Moreover, the text display area 124A, 124B, and 124C for displaying the header of a comment and — are prepared in the editing point viewing window 102. Moreover, the queue rise carbon buttons 125A, 125B, and 125C for searching the location of the incorporated still picture and making it reproduce and — are prepared in the editing point viewing window 102.

[0052] In addition, the scrolling key is prepared in the editing point viewing window 102, and further two or more still pictures can be displayed on it by scrolling a window screen.

[0053] If VTR1A is set as a playback mode, the playback screen of VTR1A will be displayed on the animation display area 111 of the window 101 for captures. This playback screen is seen, and if it becomes a scene used as a key, the capture carbon button 112 will be clicked. If the capture carbon button 112 is clicked, while the capture of the screen at that time will be carried out and this still picture will be displayed on the still picture display area 121A, 121B, and 121C and —, the time code of the location of that still picture is displayed on the time code area 123A, 123B, and 123C and —.

[0054] Drawing 5 and drawing 6 are flow charts which show the processing for realizing the above functions. Drawing 5 shows the processing by the side of the personal computer 2 in the case of making playback start from the location of the still picture which carried out the capture of a still picture and the time code, and carried out the capture.

[0055] In drawing 5 , initialization processing is performed first (step S1). In initialization processing, display processing of the window for captures or an editing point viewing window is performed. As starting processing, starting processing of display processing of animation incorporation, the generating standby process of a capture command, the conservation standby process of an image capture, the acquisition standby process of a time code, etc., queue rise processing, etc. are performed.

[0056] When initialization processing is completed, it is ***** (ed) whether the capture carbon button was clicked (step S2). If the capture carbon button is not clicked, it is judged whether the queue rise carbon button was clicked (step S3). If the queue rise carbon button is not clicked, a return is carried out to step S2.

[0057] If it is judged that the capture carbon button was clicked at step S2, the capture of the screen currently displayed on the animation display area of the window for captures will be carried out at the time (step S4). And the still picture by which the capture was carried out is displayed on the still picture display area of an editing point viewing window (step S5). And a time code demand is transmitted towards VTR from a personal computer (step S6).

[0058] If a time code demand is transmitted towards VTR from a personal computer, the time code at the time will be returned towards a personal computer from VTR. This time code is received (step S7). If a time code is received, the time code will be displayed on the time code display area of an editing point viewing window (step S8). And this still picture and time code are saved (step S9), and a return is carried out to step S2.

[0059] If a queue rise carbon button is clicked at step S3, it will be transmitted towards VTR from a personal computer (step S10), and the return of the queue rise command and the time code corresponding to the selected screen will be carried out to step S2. The selected screen is searched by this and playback is started from the location.

[0060] Drawing 6 shows the processing by the side of VTR. In drawing 6, a time code demand standby process and a queue rise command standby process are first performed as initialization processing by the VTR side. And it is judged whether the time code demand was received (step S22). If a time code demand is not received, it is judged whether the queue rise command was received (step S23). If a queue rise command is not received, a return is carried out to step S22.

[0061] At step S22, if the time code demand from a personal computer is received, it will be transmitted towards a personal computer from VTR (step S24), and the return of the time code at that time will be carried out to step S22.

[0062] At step S23, if the queue rise command from a personal computer is received, the time code which carries out a queue rise will be received (step S25). And the location of this time code is searched, playback is performed from the location of this time code (step S26), and a return is carried out to step S22.

[0063] It can consist of a still picture which was made above and which carried out the capture, a time code, a comment, etc., the screen (an edit display is called hereafter) shown as an editing point viewing window 102 can be exhibited on a network, and it can share between the system to which this invention was applied by two or more users.

[0064] Drawing 7 connects two or more personal computers 201A and 201B and 201C— to a network 202, and shows the system which enabled it to share between two or more users the still picture and time code which carried out the capture as mentioned above. Personal computers 201A and 201B and 201C— carry out the capture of the desired still picture out of the animation photoed with VTR, and enable it to save it with the time code in drawing 7, as mentioned above. Connection of these personal computers 201A and 201B and 201C— is enabled through the network 202. Moreover, in personal computers 201A and 201B and 201C—, it has the function in which an edit display can be saved by HTTP. That is, the script for creating the page of an edit display as shown as an editing point viewing window 102 is described by HTTP, and the image with which the still picture portion was compressed by GIF (Graphics Interchange Format) or JPEG (Joint Photographic Experts Group) is stuck.

[0065] Networks 202 are the Internet and intranet, for example, are connected with the protocol of TCP/IP (Transmission Control Protocol/Internet Protocol). Moreover, a server 203 is formed and this server 203 is connected to a network 202. A server 203 is a server of a HTTP protocol and its CGI (Common Gateway Interface) of a program which can realize a bulletin board function is [this server] available.

[0066] The site of HTTP which exchanges each other's capture image by each user is established in a server 203. As shown in drawing 8, the bulletin board for which an edit display is exchanged mutually is formed in this site.

[0067] The user who thinks that he wants to exhibit an edit display on a network describes and saves the edit display in HTML so that an edit display as shown in drawing 9 can display by the browser. In addition, although the text file described in HTML and the image file stuck there are required in order to display an edit display, they may be carried out as [collect / into one file ./ by ZIP or archiver like LZH].

[0068] Thus, the function to change and save an edit display at an HTML file can be realized as an attached function of the application program for above-mentioned edit exchange. For example, when "it saves by the HTML file" is chosen from a file menu, the text file and image file which described the edit display in HTML are created, and these files are collectively saved as a folder for WWW at folder with the another folder of an edit display.

[0069] Of course, the application program which changes an edit display into an HTML file is prepared independently, this application program is started, and you may make it make an HTML file create an edit display.

[0070] And the user who thinks that he wants to exhibit an image to carry out a capture on a network accesses the page of the bulletin board of a server 203 through a network 202 using his own personal computers 201A, 201B, and 201C and the browser of —.

[0071] As shown in drawing 8, the provider information entry box 301 and the contribution carbon button 302 are formed in the page of this bulletin board. If the page of the bulletin board of a server 203 is accessed, required information will be written down in the provider information entry box 301. Here, a title, the author, the date and time of creation, a folder name, and a file name are described as required information. And the contribution carbon button 302 is pushed.

[0072] In addition, the information written down in a provider information entry box may add not only this but still more nearly another contents, or may reduce the contents. Moreover, the date and time of creation etc. can be made to input automatically using a folder or the time stamp of a file. Moreover, neither a folder name nor a file name carries out the direct input of the identifier, but displays the folder of an information provider's personal computer, and the list of files, specifies the folder and file name which provide or have information out of it, and may enable it to choose them. Furthermore, the folder and file which provide, provide from the list of folders and file names with information, or have information are specified, it dragging and dropping to a contribution screen, and you may enable it to upload the information on an edit display.

[0073] If information required for the provider information entry box 301 is filled in and the contribution carbon button 302 is pushed, the text file and image file of HTML which constitute the page of an edit-display screen will upload to a server 203 by the program of the bulletin board by CGI.

[0074] Completion of upload displays the title of a page which contributed to the readers' columns 303A, 303B, and 303C of the page of a bulletin board, and —, the author, the date and time of creation, and contribution time. The information as which the title of these pages, the author, and the date and time of creation were entered in the provider information entry box is used as it is. Moreover, the time in which information uploaded the date and time of creation is used.

[0075] Moreover, the display carbon buttons 304A, 304B, and 304C and — are prepared in these readers' columns 303A, 303B, and 303C and —. It is looking to the readers' columns 303A, 303B, and 303C of this bulletin board; and —, and when using the contributed edit display, the display carbon buttons 304A, 304B, and 304C and — are pushed. A push on the display carbon buttons 304A, 304B, and 304C and — displays an edit display 305, as shown in drawing 10.

[0076] Thus, in this example, it connects with a network, and between each personal computer, using a bulletin board function, an edit display can be offered and it can suit. Since the edit display is written in HTML, it can be easily perused by the browser of each personal computer. And in this example, since the bulletin board function is used, while the user of each personal computer gets used to an informational addresser easily, it gets used to an informational addressee.

[0077] In addition, although it enables it to perform a file transfer by HTTP using the program of a bulletin board, you may make it use FTP, of course in an above-mentioned example.

[0078]

[Effect of the Invention] According to this invention, while incorporating the still picture of the scene which serves as a key of edit at the time of simple edit, the time code corresponding to this incorporated still picture is saved, and the edit display containing this still picture and time code that were incorporated is changed by the format of a web page. It can do [that this peruses simply by the browser, or]. Moreover, the program of a bulletin board is made available, and a server can make the edit display changed into the format of the web page sent from each personal computer able to register, can introduce this edit display with a bulletin board, and can transmit it to a personal computer with a demand of that edit display according to the demand from each personal computer. Thereby, by each user, an edit display can be offered and it can suit. Moreover, since the bulletin board function is used, while the user of each personal computer gets used to an informational addresser easily, it gets used to an informational addressee.

[Translation done.]

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TECHNICAL FIELD

[The technical field to which invention belongs] This invention relates to the thing between which use when editing in simple the image of the news which the cameraman photoed on that spot, and two or more users enabled it to share a material through a network especially about a suitable edit system to offer information and a suitable method, a control unit, and a server.

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PRIOR ART

[Description of the Prior Art] Conventionally, a cameraman photos the condition of a site, and the news program of television edits that news material into a broadcasting station for this tape that covered by the delivery and broadcasting station side at a broadcasting station using a communication satellite, and is broadcasting drag-in or the contents of televising of a tape which covered. However, in editing news by the broadcasting station side in this way, it is difficult to offer a quick image. Then, especially, a cameraman edits the news material photoed on the spot on that spot, and is broadcasting it more often at a European and American broadcasting station.

[0003] It is expensive in a broadcasting station and it is equipped with powerful edit equipment. Moreover, much staff is working in the broadcasting station. For this reason, in the conventional method that a news material is edited by the broadcasting station side, good editing operation can be performed using the edit equipment by the side of a broadcasting station. However, when a cameraman edits the news material photoed on the spot, the equipments which can be used for edit are restricted and a cameraman has to perform an editing task for a short time.

[0004] moreover — putting a comment into a scene required in deleting an unnecessary scene also in the conventional way of editing this news material into a broadcasting station for the tape which the cameraman covered by the delivery and broadcasting station side at a broadcasting station using a communication satellite, and broadcasting drag-in or the contents of televising of a tape which covered *** — etc. — a news material is sent after carrying out the editing task of the degree which is a delivery side — it is required.

[0005] Then, an edit support system which supports edit instead of a cameraman's activity is developed in such an activity.

[0006] In such an edit support system, when a capture carbon button is clicked, while the still picture of the image reproduced from VTR is incorporated and saved, the time code at this time is saved corresponding to a still picture. For this reason, if the capture carbon button is clicked in the scene which serves as a key at the time of edit, the still picture of the scene used as a key and the list of time codes at that time can be created. By referring to this list, an editing task can be performed efficiently.

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EFFECT OF THE INVENTION

[Effect of the Invention] According to this invention, while incorporating the still picture of the scene which serves as a key of edit at the time of simple edit, the time code corresponding to this incorporated still picture is saved, and the edit display containing this still picture and time code that were incorporated is changed by the format of a web page. It can do [that this peruses simply by the browser, or]. Moreover, the program of a bulletin board is made available, and a server can make the edit display changed into the format of the web page sent from each personal computer able to register, can introduce this edit display with a bulletin board, and can transmit it to a personal computer with a demand of that edit display according to the demand from each personal computer. Thereby, by each user, an edit display can be offered and it can suit. Moreover, since the bulletin board function is used, while the user of each personal computer gets used to an informational addresser easily, it gets used to an informational addressee.

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] If such an edit support system spreads, it will be thought that the coverage site or the material for broadcast rough-edited can be used on a network with such an edit support system, sharing it with two or more men. If you do in this way, it can use each other's material by two or more men, or an editing task can be performed in parallel, and it is convenient.

[0008] Thus, when using the information on such a coverage site or a material for broadcast rough-edited on a network, sharing it with two or more men, it is convenient if you enable it to peruse by WWW (World Wide Web).

[0009] However, in order to peruse by WWW, a HTML (Hyper Text Markup Language) document must be transmitted to a WWW server by FTP (File Transfer Protocol) from a personal computer. For this reason, if it does not become the server of WWW, it is difficult to offer each other's coverage site or material for broadcast which offering the material which he photoed can register and was rough-edited by two or more men.

[0010] Therefore, the purpose of this invention is to offer the edit system to offer information which enabled it to use the coverage site or the material for broadcast rough-edited on a network, sharing it with two or more men and a method, a control unit, and a server.

[0011] Other purposes of this invention are to offer the edit system to offer information and method of having made it get used with the user of a material, a control unit, and a server while each one gets used with the provider of the material on a network.

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MEANS

[Means for Solving the Problem] A control unit which displays an edit display which saves positional information of a record medium corresponding to this incorporated still picture, and includes positional information of a incorporated still picture and a record medium while this invention incorporates a still picture of a scene used as a key of edit, It consists of a server which offers an edit display including positional information of a still picture incorporated by each control unit, and a record medium. Two or more control units and servers are connected in a network. Each control unit A means to change an edit display including positional information of a incorporated still picture and a record medium into format of a web page, It has a means to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network. A server An edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit and a record medium is made to register through a network. It is the edit system to offer information it was made to have a means to display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from each control unit, and a record medium on a control unit with a demand.

[0013] A control unit which displays an edit display which saves positional information of a record medium corresponding to this incorporated still picture, and includes positional information of a incorporated still picture and a record medium while this invention incorporates a still picture of a scene used as a key of edit, A server which offers an edit display including positional information of a still picture incorporated by each control unit and a record medium is connected in a network. Each control unit An edit display including positional information of a incorporated still picture and a record medium is changed into format of a web page. It enables it to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network. A server An edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit and a record medium is made to register through a network. It is the edit information offer method of having made it display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from each control unit, and a record medium on a control unit with a demand.

[0014] A means to save positional information of a record medium corresponding to this incorporated still picture while this invention incorporates a still picture of a scene used as a key of edit, A means to display an edit display including positional information of a incorporated still picture and a record medium, A means to change an edit display including positional information of a incorporated still picture and a record medium into format of a web page, It is the control unit equipped with a means to transmit an edit display including positional information of a incorporated still picture which was changed into format of a web page, and a record medium through a network.

[0015] This invention is the server which consists of a means display an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit according to a demand from a means and each control unit into which an edit display including positional information of a incorporated still picture which was changed into format of a web page sent from each control unit through a network and a record medium is made to register, and a record medium on a control unit with a demand.

[0016] While incorporating a still picture of a scene which serves as a key of edit at the time of simple edit, a time code corresponding to this incorporated still picture is saved, and an edit display containing this still picture and time code that were incorporated is changed into format of a web page. It can do [that this peruses simply by browser, or]. Moreover, a program of a bulletin board is made available, and a server can make an edit display changed into format of a web page sent from each personal computer able to register, can introduce this edit display with a bulletin board, and can transmit it to a personal computer with a demand of that edit display according to a demand from each personal computer. Thereby, by each user, an edit display can be offered and it can suit. Moreover, since a bulletin board function is used, while a user of each personal computer gets used to an informational addresser easily, it gets used to an informational addressee.

[0017]

[Embodiment of the Invention] Hereafter, the gestalt of implementation of this invention is explained with reference to a drawing. Drawing 1 shows an example of the news edit support system with which this invention was applied. This news edit support system is constituted by two VTRs (Video Tape Recoder) 1A and 1B and personal computers 2. The television receivers 3A and 3B for monitors are connected to VTRs 1A and 1B, respectively.

[0018] A cameraman photos a news site with a video camera 4. And after photography of a news site is ended, in

order to edit, the videocassette 5 on which the news material was recorded is picked out from a video camera 4. VTR1A is equipped with this videocassette 5.

[0019] At the time of edit, the application program for edit exchange is performed with a personal computer 2. And using a personal computer 2, the search of the videocassette 5 on which the news material was recorded, and the activity of playback are repeated by VTR1A, and a scene required for edit is determined out of the scene currently recorded on the tape of a videocassette 5. And a screen required for VTR1B is sent from VTR1A, and it is recorded on the tape of the videocassette with which VTR1B is equipped.

[0020] Thus, in this system, the application program for edit exchange is performed with a personal computer 2 at the time of edit.

[0021] The application program for edit exchange performs efficiently the editing task accompanied by trial and error.

[0022] Namely, when editing, in the former, those who edit search a scene which serves as a key, the easy memorandum about that scene is taken, or they record the time code of the location on that tape, and are carrying out by repeating the activity accompanied by trial and error of being as adding a new scene **** [, and]. [replacing the sequence of this scene] [deleting a scene] This application program is looking at the playback screen of a tape, if there is a scene which serves as a key, it saves the time code on the tape of that scene while it incorporates this scene as a still picture, or writes the comment in an alphabetic character in that scene, or has an addition and the function deleted or rearranged for the scene used as a key. Thereby, it can edit efficiently conventionally by supporting the editing task which was being performed by handicraft.

[0023] In order to perform the application program for such edit exchange, as shown in a personal computer 2 at drawing 2, the video capture board is carried.

[0024] Drawing 2 is an example of the hardware configuration of a personal computer 2. As for CPU (Central Processing Unit) and 12, in drawing 2, 11 is [ROM (Read Only Memory) and 13] RAM (Random Access Memory). CPU11, ROM12, and RAM13 are connected to the processor bus 14.

[0025] The program of a bootstrap is stored in ROM12. RAM13 is the main memory of a working-level month.

[0026] CPU11 is connected to the bridge circuit 15, and the processor bus 14 is drawn from a bridge circuit 15. A bridge circuit 15 is connected to the PCI (Peripheral Component Interconnect) bus 16. A bridge circuit 15 connects CPU11, and the processor bus 14 and PCI bus 16.

[0027] PCI bus 16 is equipped with the graphics accelerator board 19, the video capture board 20, and an audio board 21 while the IDE (Integrated Device Electronics) controller 17 and the SCSI (Small Computer System Interface) controller 18 are connected.

[0028] The storage devices 22, such as a hard disk drive and CD drive, are connected to the IDE controller 17. The storage devices 23, such as a hard disk drive and CD drive, are connected to the SCSI controller 18.

[0029] PCI bus 16 is connected to the ISA (Industrial Standard Architecture) bus 25 through a bridge circuit 24. A bridge circuit 24 connects PCI bus 16 and ISA Bus 25. The input device controller 26, the floppy disk controller 27, the parallel controller 28, and the RS232C controller 29 are connected to ISA Bus 25.

[0030] The input devices 30, such as a keyboard and a mouse, are connected to the input device controller 26. The floppy disk drive 31 is connected to the floppy disk controller 27. A printer etc. can be attached in the parallel controller 28. A modem etc. can be attached in the RS232C controller 29.

[0031] In an initial state, the program of the bootstrap stored in ROM12 runs first, and initial setting is performed. And a storage device 22 or 23 is accessed, the operating system installed in a storage device 22 or 23 is read, and the resident section of a program resides in RAM13 used as main memory permanently. Thereby, an operating system is started and various processings are performed by the radical of management of this operating system.

[0032] In addition, although it considers as the configuration which used the PCI bus and the ISA Bus in the above-mentioned example, it is not limited to such a configuration. USB (Universal Serial Bus) is prepared and you may make it connect various devices, such as a keyboard and a mouse, to this USB bus.

[0033] In the above edit support systems, the video outlet terminal of VTR1A and the video input terminal of the video capture board 20 of a personal computer 2 are connected. Moreover, the terminal for control of VTR1A and the RS232C control 29 of a personal computer 2 are connected so that the mode of VTR1A can be set up with a personal computer 2. And the application program for edit exchange is installed in a storage device 22 or 23.

[0034] Moreover, as shown in drawing 3, VTR1A can output a time code now outside so that a still picture may be incorporated with a personal computer 2 and the time code on the tape of the scene can be saved.

[0035] That is, in drawing 3, the device of the drive system of a tape is arranged at MEKADEKKI 50. The tape 51 pulled out from the videocassette (not shown) is wound around a rotating drum 52. This tape 51 is transported by the capstan motor 53. Moreover, the supply reel and take up reel of a videocassette rotate with reel motors 54A and 54B. A rotary head 52, the capstan motor 53, and reel motors 54A and 54B are controlled by the servo controller 57.

[0036] While a video signal and an audio signal are recorded / reproduced along the truck on an inclination by the rotary head attached in the rotating drum 52, a time code (VITC) is recorded / reproduced by the tape 51. Moreover, while a control signal is recorded / reproduced by the fixed head 55, a time code (LTC) is recorded / reproduced by the tape 51 by the fixed head 56.

[0037] In addition, a time code (VITC:Vertical Interval Time Code) is usually used as a time code for detecting a tape location at the time of playback, and a time code (LTC) is used as a time code for detecting a tape location at the time of gear change playback.

[0038] Whole actuation is controlled by the system controller 60, a system controller 60 — a control panel 61 to an input — giving — actuation is set up based on this input. Moreover, the output of a system controller 60 is supplied to a display 62, and operating state is displayed on a display 62.

[0039] Moreover, an interface 63 is formed in a system controller 60. It is possible to connect an external device through this interface 63, and to perform a setup of operation with an external instrument.

[0040] At the time of record, a video signal is supplied to the video input terminal 65, and an audio signal is supplied to the audio input terminal 66. This video signal and audio signal are supplied to the video processor 67, they are the video processor 67 and record signal processing is carried out. Moreover, the time code from system KONTORA 60 is sent to the LTC reader/writer 68 while it is supplied to the video processor 67.

[0041] While the output of the video processor 67 is sent to the rotary head attached in the rotating drum 52 and a video signal and an audio signal are recorded by this rotary head, a time code (VITC) is recorded on a perpendicular blanking period. Moreover, the output of the fixed head 56 of the LTC reader/writer 68 is supplied, and a time code (LTC) is recorded by the fixed head 56.

[0042] At the time of playback, the signal currently recorded on each truck of a tape 51 is reproduced by the rotary head attached in the rotating drum 52, and this regenerative signal is supplied to the video processor 67. Regenerative-signal processing of a video signal and an audio signal is made by the video processor 67, and a playback video signal and an audio signal are outputted from the video signal output terminal 71 and the audio output terminal 72. The video signal output terminal 71 is connected to the video capture board 20 (drawing 2) of a personal computer 2, and this playback video signal is sent to the video capture board 20 of a personal computer 2.

[0043] Moreover, a time code (VITC) is sent to a system controller 60 from the video processor 67. Moreover, the time code reproduced by the fixed head 56 is supplied to the LTC reader/writer 68. A time code is decoded by the LTC reader/writer 68. This time code is sent to a system controller 60.

[0044] The detecting signal of FG arm head attached in each motor or PG arm head and the control signal from the fixed head 55 are supplied to the servo controller 57. Based on these signals, drum servo control, tracking servo control, etc. are performed.

[0045] An interface 63 is connected to the RS232C controller 29 (drawing 2) of a personal computer 2, while being able to set-up actuation of VTR1A with a personal computer 2 by this — the personal computer 2 from VTR1A — a time code (VITC) — or (LTC) it can send.

[0046] Moreover, memory 69 is formed in the video processor 67. If memory 69 is formed in the video processor 67, still picture regeneration and gear change regeneration can be performed easily.

[0047] Moreover, you may make it a system controller 60 as [attach / the remote controller 73 which has a jog dial etc.]. If a remote controller 73 is attached, editing will become still easier by using a jog dial etc.

[0048] Next, the edit using a personal computer 2 is explained more concretely.

[0049] Drawing 4 shows the display on the display of the personal computer 2 at the time of edit. As shown in drawing 4, on a display, the window 101 for captures and the editing point viewing window 102 are displayed.

[0050] The window 101 for captures is a window for performing actuation for saving a scene which serves as a key at the time of edit, and its time code. The animation display area 111 is established in this window 101 for captures. The playback screen of VTR1A is displayed on this animation display area 111. Moreover, the capture carbon button 112 is formed in the window 101 for captures.

[0051] The editing point viewing window 102 is a window for displaying the incorporated screen and its time code. While the still picture display area 121A, 121B, and 121C for displaying the incorporated still picture and — are prepared, the time code area 123A, 123B, and 123C and — are displayed for the time code which shows the location on the tape of the still picture on the editing point viewing window 102. Moreover, the text display area 124A, 124B, and 124C for displaying the header of a comment and — are prepared in the editing point viewing window 102. Moreover, the queue rise carbon buttons 125A, 125B, and 125C for searching the location of the incorporated still picture and making it reproduce and — are prepared in the editing point viewing window 102.

[0052] In addition, the scrolling key is prepared in the editing point viewing window 102, and further two or more still pictures can be displayed on it by scrolling a window screen.

[0053] If VTR1A is set as a playback mode, the playback screen of VTR1A will be displayed on the animation display area 111 of the window 101 for captures. This playback screen is seen, and if it becomes a scene used as a key, the capture carbon button 112 will be clicked. If the capture carbon button 112 is clicked, while the capture of the screen at that time will be carried out and this still picture will be displayed on the still picture display area 121A, 121B, and 121C and —, the time code of the location of that still picture is displayed on the time code area 123A, 123B, and 123C and —.

[0054] Drawing 5 and drawing 6 are flow charts which show the processing for realizing the above functions. Drawing 5 shows the processing by the side of the personal computer 2 in the case of making playback start from the location of the still picture which carried out the capture of a still picture and the time code, and carried out the capture.

[0055] In drawing 5, initialization processing is performed first (step S1). In initialization processing, display processing of the window for captures or an editing point viewing window is performed. As starting processing, starting processing of display processing of animation incorporation, the generating standby process of a capture command, the conservation standby process of an image capture, the acquisition standby process of a time code, etc., queue rise processing, etc. are performed.

[0056] When initialization processing is completed, it is ***** (ed) whether the capture carbon button was clicked

(step S2). If the capture carbon button is not clicked, it is judged whether the queue rise carbon button was clicked (step S3). If the queue rise carbon button is not clicked, a return is carried out to step S2.

[0057] If it is judged that the capture carbon button was clicked at step S2, the capture of the screen currently displayed on the animation display area of the window for captures will be carried out at the time (step S4). And the still picture by which the capture was carried out is displayed on the still picture display area of an editing point viewing window (step S5). And a time code demand is transmitted towards VTR from a personal computer (step S6).

[0058] If a time code demand is transmitted towards VTR from a personal computer, the time code at the time will be returned towards a personal computer from VTR. This time code is received (step S7). If a time code is received, the time code will be displayed on the time code display area of an editing point viewing window (step S8). And this still picture and time code are saved (step S9), and a return is carried out to step S2.

[0059] If a queue rise carbon button is clicked at step S3, it will be transmitted towards VTR from a personal computer (step S10), and the return of the queue rise command and the time code corresponding to the selected screen will be carried out to step S2. The selected screen is searched by this and playback is started from the location.

[0060] Drawing 6 shows the processing by the side of VTR. In drawing 6, a time code demand standby process and a queue rise command standby process are first performed as initialization processing by the VTR side. And it is judged whether the time code demand was received (step S22). If a time code demand is not received, it is judged whether the queue rise command was received (step S23). If a queue rise command is not received, a return is carried out to step S22.

[0061] At step S22, if the time code demand from a personal computer is received, it will be transmitted towards a personal computer from VTR (step S24), and the return of the time code at that time will be carried out to step S22.

[0062] At step S23, if the queue rise command from a personal computer is received, the time code which carries out a queue rise will be received (step S25). And the location of this time code is searched, playback is performed from the location of this time code (step S26), and a return is carried out to step S22.

[0063] It can consist of a still picture which was made above and which carried out the capture, a time code, a comment, etc., the screen (an edit display is called hereafter) shown as an editing point viewing window 102 can be exhibited on a network, and it can share between the system to which this invention was applied by two or more users.

[0064] Drawing 7 connects two or more personal computers 201A and 201B and 201C— to a network 202, and shows the system which enabled it to share between two or more users the still picture and time code which carried out the capture as mentioned above. Personal computers 201A and 201B and 201C— carry out the capture of the desired still picture out of the animation photoed with VTR, and enable it to save it with the time code in drawing 7, as mentioned above. Connection of these personal computers 201A and 201B and 201C— is enabled through the network 202. Moreover, in personal computers 201A and 201B and 201C—, it has the function in which an edit display can be saved by HTTP. That is, the script for creating the page of an edit display as shown as an editing point viewing window 102 is described by HTTP, and the image with which the still picture portion was compressed by GIF (Graphics Interchange Format) or JPEG (Joint Photographic Experts Group) is stuck.

[0065] Networks 202 are the Internet and intranet, for example, are connected with the protocol of TCP/IP (Transmission Control Protocol/Internet Protocol). Moreover, a server 203 is formed and this server 203 is connected to a network 202. A server 203 is a server of a HTTP protocol and its CGI (Common Gateway Interface) of a program which can realize a bulletin board function is [this server] available.

[0066] The site of HTTP which exchanges each other's capture image by each user is established in a server 203. As shown in drawing 8, the bulletin board for which an edit display is exchanged mutually is formed in this site.

[0067] The user who thinks that he wants to exhibit an edit display on a network describes and saves the edit display in HTML so that an edit display as shown in drawing 9 can display by the browser. In addition, although the text file described in HTML and the image file stuck there are required in order to display an edit display, they may be carried out as [collect / into one file / by ZIP or archiver like LZH].

[0068] Thus, the function to change and save an edit display at an HTML file can be realized as an attached function of the application program for above-mentioned edit exchange. For example, when "it saves by the HTML file" is chosen from a file menu, the text file and image file which described the edit display in HTML are created, and these files are collectively saved as a folder for WWW at folder with the another folder of an edit display.

[0069] Of course, the application program which changes an edit display into an HTML file is prepared independently, this application program is started, and you may make it make an HTML file create an edit display.

[0070] And the user who thinks that he wants to exhibit an image to carry out a capture on a network accesses the page of the bulletin board of a server 203 through a network 202 using his own personal computers 201A, 201B, and 201C and the browser of —.

[0071] As shown in drawing 8, the provider information entry box 301 and the contribution carbon button 302 are formed in the page of this bulletin board. If the page of the bulletin board of a server 203 is accessed, required information will be written down in the provider information entry box 301. Here, a title, the author, the date and time of creation, a folder name, and a file name are described as required information. And the contribution carbon button 302 is pushed.

[0072] In addition, the information written down in a provider information entry box may add not only this but still

more nearly another contents, or may reduce the contents. Moreover, the date and time of creation etc. can be made to input automatically using a folder or the time stamp of a file. Moreover, neither a folder name nor a file name carries out the direct input of the identifier, but displays the folder of an information provider's personal computer, and the list of files, specifies the folder and file name which provide or have information out of it, and may enable it to choose them. Furthermore, the folder and file which provide, provide from the list of folders and file names with information, or have information are specified, it dragging and dropping to a contribution screen, and you may enable it to upload the information on an edit display.

[0073] If information required for the provider information entry box 301 is filled in and the contribution carbon button 302 is pushed, the text file and image file of HTML which constitute the page of an edit-display screen will upload to a server 203 by the program of the bulletin board by CGI.

[0074] Completion of upload displays the title of a page which contributed to the readers' columns 303A, 303B, and 303C of the page of a bulletin board, and —, the author, the date and time of creation, and contribution time. The information as which the title of these pages, the author, and the date and time of creation were entered in the provider information entry box is used as it is. Moreover, the time in which information uploaded the date and time of creation is used.

[0075] Moreover, the display carbon buttons 304A, 304B, and 304C and — are prepared in these readers' columns 303A, 303B, and 303C and —. It is looking to the readers' columns 303A, 303B, and 303C of this bulletin board, and —, and when using the contributed edit display, the display carbon buttons 304A, 304B, and 304C and — are pushed. A push on the display carbon buttons 304A, 304B, and 304C and — displays an edit display 305, as shown in drawing 10.

[0076] Thus, in this example, it connects with a network, and between each personal computer, using a bulletin board function, an edit display can be offered and it can suit. Since the edit display is written in HTML, it can be easily perused by the browser of each personal computer. And in this example, since the bulletin board function is used, while the user of each personal computer gets used to an informational addressee easily, it gets used to an informational addressee.

[0077] In addition, although it enables it to perform a file transfer by HTTP using the program of a bulletin board, you may make it use FTP, of course in an above-mentioned example.

[Translation done.]

*** NOTICES ***

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- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

- [Drawing 1]** It is the block diagram of an example of an edit support system.
[Drawing 2] It is the block diagram of an example of a personal computer.
[Drawing 3] It is the block diagram of an example of VTR.
[Drawing 4] It is the abbreviation diagram used for explanation of the capture screen in an example of an edit support system.
[Drawing 5] It is the flow chart used for explanation of the capture processing in an example of an edit support system.
[Drawing 6] It is the flow chart used for explanation of processing by the side of VTR in an example of an edit support system.
[Drawing 7] It is the block diagram of an example of the edit system to offer information with which this invention was applied.
[Drawing 8] It is the abbreviation diagram used for explanation of an example of the edit system to offer information with which this invention was applied.
[Drawing 9] It is the abbreviation diagram used for explanation of an example of the edit system to offer information with which this invention was applied.
[Drawing 10] It is the abbreviation diagram used for explanation of an example of the edit system to offer information with which this invention was applied.

[Description of Notations]

201A, 201B, 201C ... A personal computer, 203 servers, 301 ... A provider information entry box, 302 ... Contribution carbon button

[Translation done.]

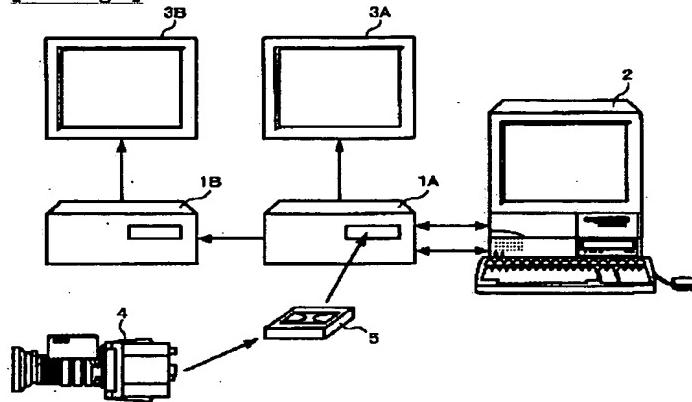
* NOTICES *

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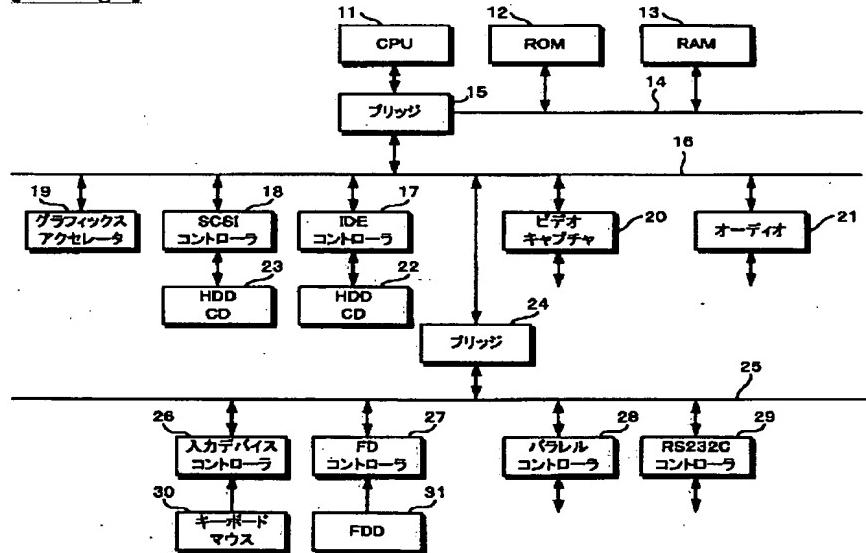
- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DRAWINGS

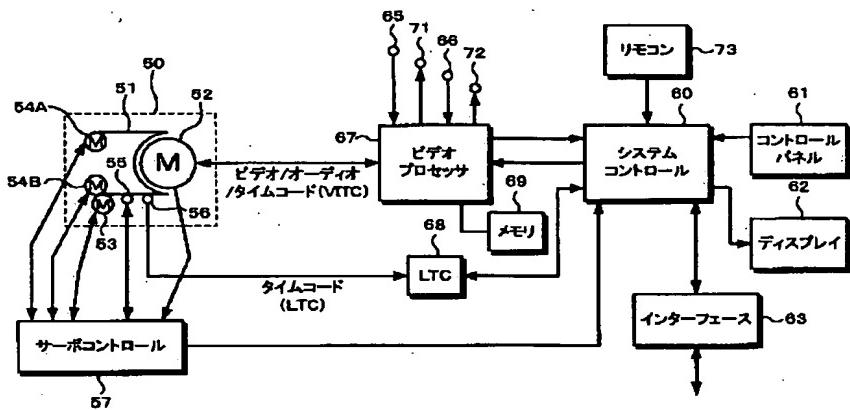
[Drawing 1]



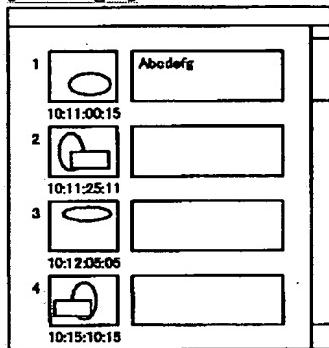
[Drawing 2]



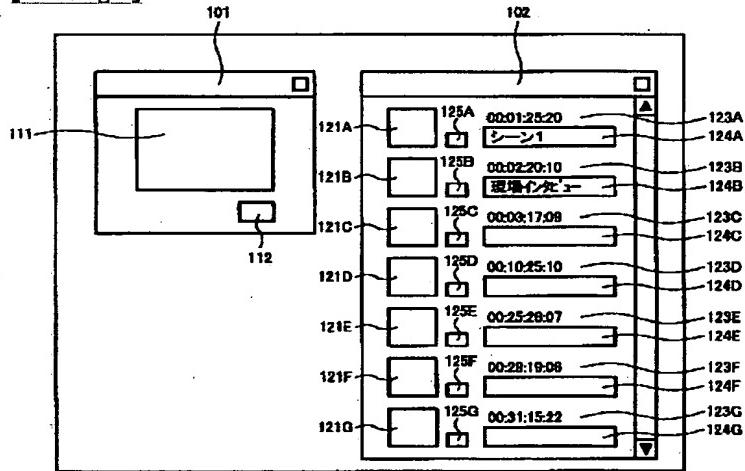
[Drawing 3]



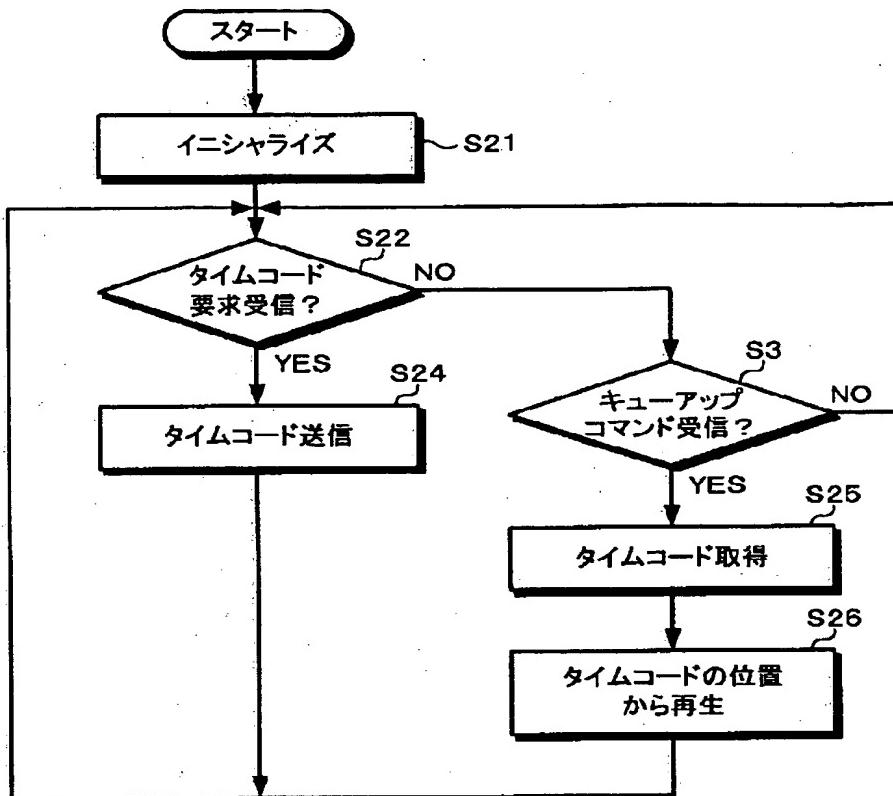
[Drawing 9]



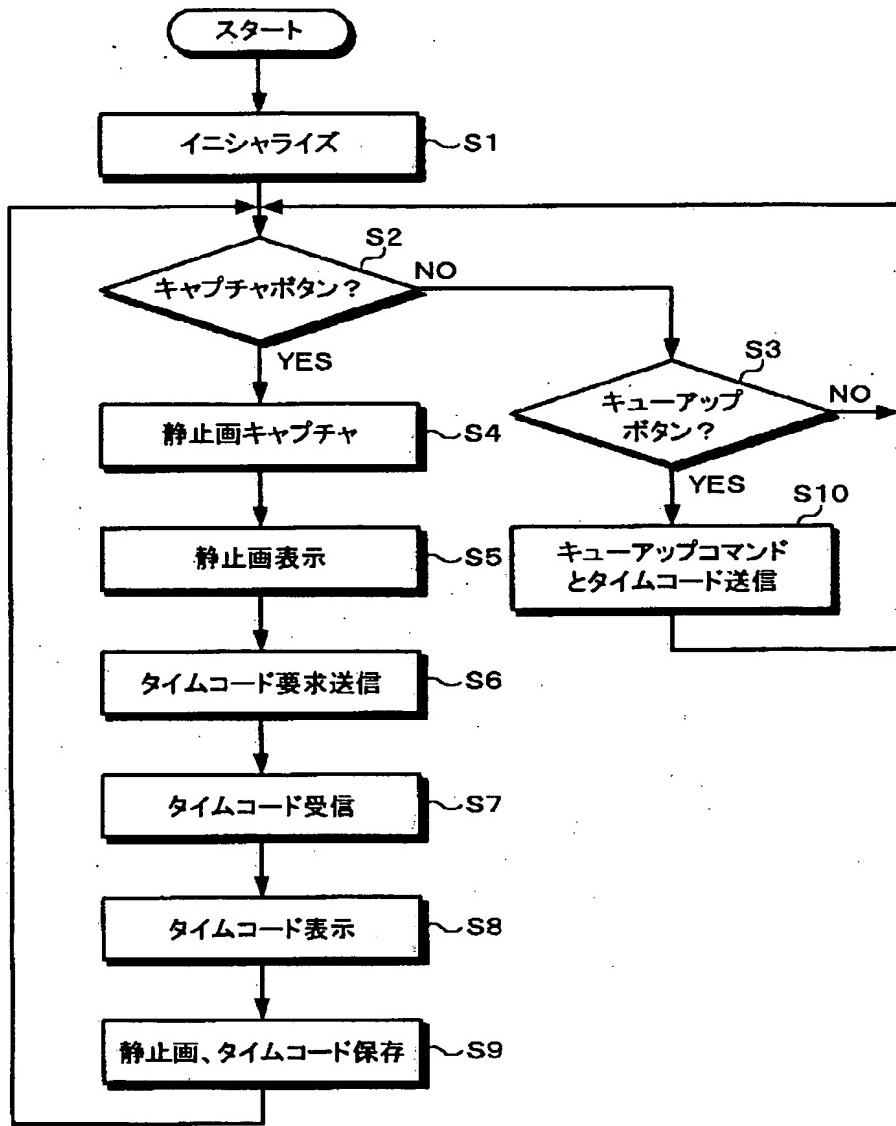
[Drawing 4]



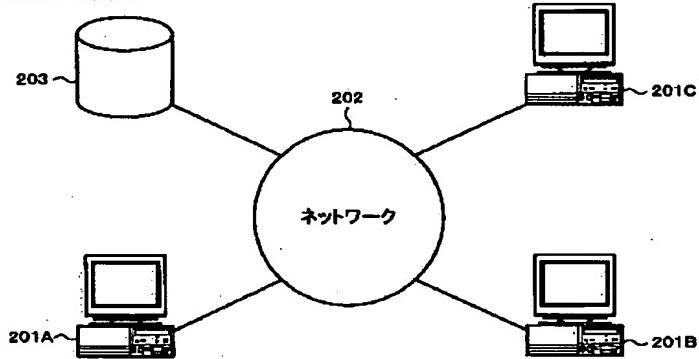
[Drawing 6]



[Drawing 5]



[Drawing 7]



[Drawing 8]

題名:	国会議事堂		301
作者:	小渕		
作成日時:	2000/3/5		
フォルダ名:	kokkai-folder11		
ファイル名:	kokkai-file01		

題名:	国会議事堂	<input type="button" value="表示"/>	304A
作者:	小渕		
作成日時:	2000/3/5		303A
投稿日:	2000/3/6		

題名:	皇居周辺	<input type="button" value="表示"/>	304B
作者:	小渕		
作成日時:	2000/3/5		303B
投稿日:	2000/3/5		

題名:	新潟警察	<input type="button" value="表示"/>	304C
作者:	小津		
作成日時:	2000/3/3		303C
投稿日:	2000/3/4		

題名:	音羽	<input type="button" value="表示"/>	304D
作者:	山田		
作成日時:	2000/3/2		303D
投稿日:	2000/3/2		

[Drawing 10]

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300

題名: 国会議事堂	<input type="button" value="表示"/>
作者: 小渕	
作成日時: 2000/3/5	
フォルダ名: kokkai-folder11	
ファイル名: kokkai-file01	
<input type="button" value="投稿"/>	

題名: 国会議事堂	<input type="button" value="表示"/>
作者: 小渕	
作成日時: 2000/3/5	
投稿日: 2000/3/6	

題名: 皇居周辺	<input type="button" value="表示"/>
作者: 小渕	
作成日時: 2000/3/5	
投稿日: 2000/3/5	

題名: 新潟警察	<input type="button" value="表示"/>
作者: 小渕	
作成日時: 2000/3/3	
投稿日: 2000/3/4	

題名: 音羽	<input type="button" value="表示"/>
作者: 山田	
作成日時: 2000/3/2	
投稿日: 2000/3/2	

305

1		Abcdefg
		10:11:00:15
2		
		10:11:25:11
3		
		10:12:05:05
4		
		10:15:10:15

[Translation done.]